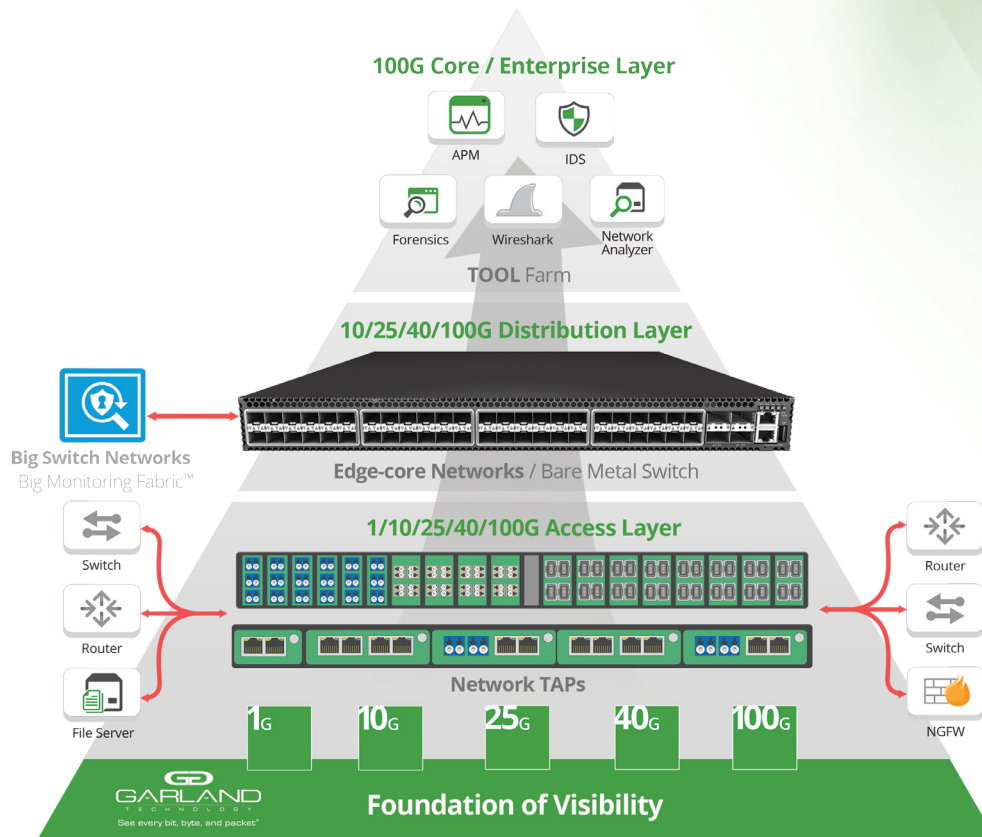


Architecting Data Centers for SDN and NFV

A Certified Big Switch Networks Solution



Joint Solution Overview

Garland Technology's network TAPs are the foundation for the Big Monitoring Fabric by ensuring all the data - every bit, byte and packet® feeds the solution.

Network test access points (TAPs) are the approved and recommended hardware tool that allows you to monitor your Big Monitoring Fabric. All fiber breakout TAPs are passive, purpose-built hardware devices that make a 100% copy of your network's data providing your monitoring tools 100% visibility.

The Importance of Visibility with SDN

Centralized control of traffic flows is critical for monitoring 40G and 100G networks. But before implementing SDN, network architects must ensure that they have a solid visibility plane that ensures 100% of packets will be seen by the SDN controller.

To achieve complete transparency with application monitoring tools, network architects must account for solutions and functions such as:

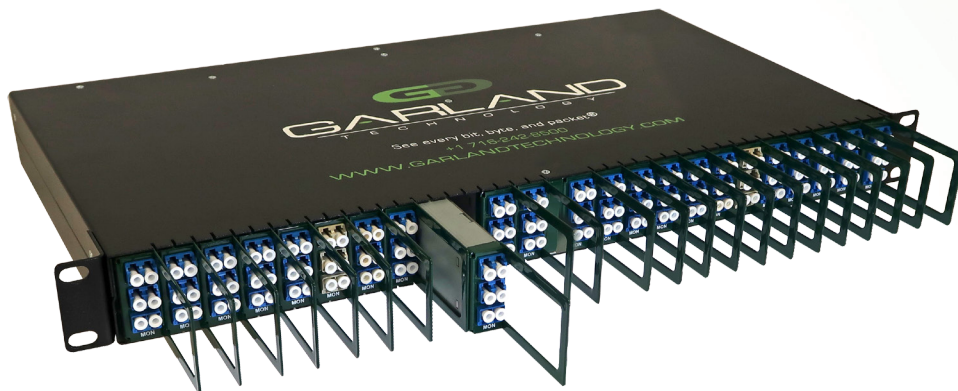
- Network analyzers
- Bandwidth management
- Computer forensic analysis & data capture
- Content filtering
- Data leakage prevention (DLP)
- Lawful interception
- Intrusion detection

Keep In Mind

1. SDN decouples the data plane from the control plane
2. Visibility is required for both the data plane and the control plane

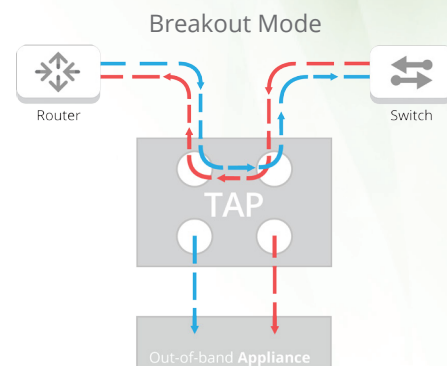
High Density 1U Data Center Solution - 1G/10G/40G/100G

Passive Fiber Modular Chassis



Network test access points (TAPs) are hardware tools that allow you to access and monitor your network. The passive fiber modular chassis system supports 1G, 10G, 40G and 100G network speeds.

TAP Traffic Flow



Flexible, Scalable & Removable Data Center Solution

This high density and high performance monitoring solution accommodates growing data center and enterprise needs for 100G Ethernet networks. The passive fiber modular chassis system features a scalable design allowing you to meet the demands of the network today and tomorrow, while supporting the investment in existing monitoring tools.

Key Features

Chassis supports: 1G/10G/40G/100G network speeds

Accommodates 16 to 24 network TAP modules, based on configuration

(24 LC TAP Modules, 16 MPO/MTP® TAP Modules, 16 BiDi LC TAP Modules)

- Durable, all steel construction for chassis and TAP network modules
- No power, no heat, no IP address, no MAC address - 100% passive
- Customize network TAPs to your networks needs
- Change network TAP modes on-the-fly or in the future

- Mix and match modules by media and/or speeds
- Supports **single-mode**: OS1/OS2 and **multi-mode**: OM3/OM4 media for long range and short range environments
- Supports Cisco BiDirectional optical technology
- Supports split ratios of: 90/10, 80/20, 50/50, 70/30, 60/40
- Designed, manufactured and supported in the United States
- Tested and Certified

View datasheet for specs and part numbers
garlandtechnology.com/passive-fiber-modular-chassis



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